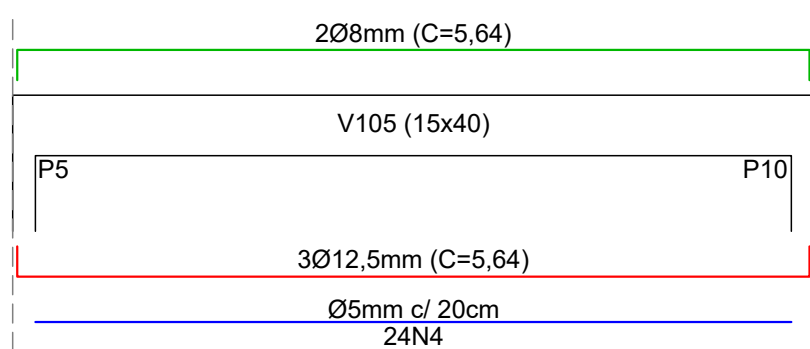
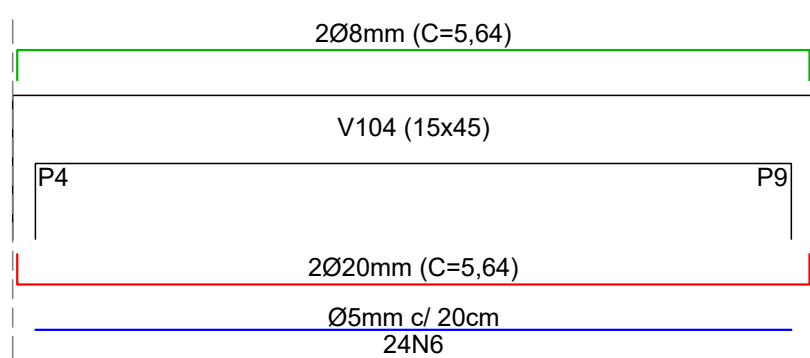
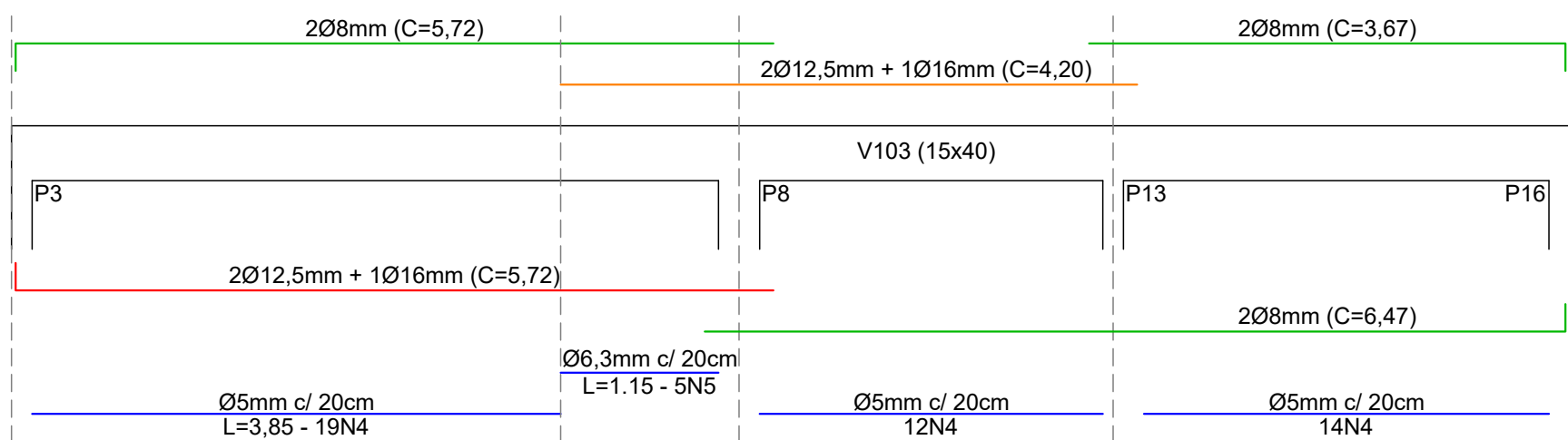
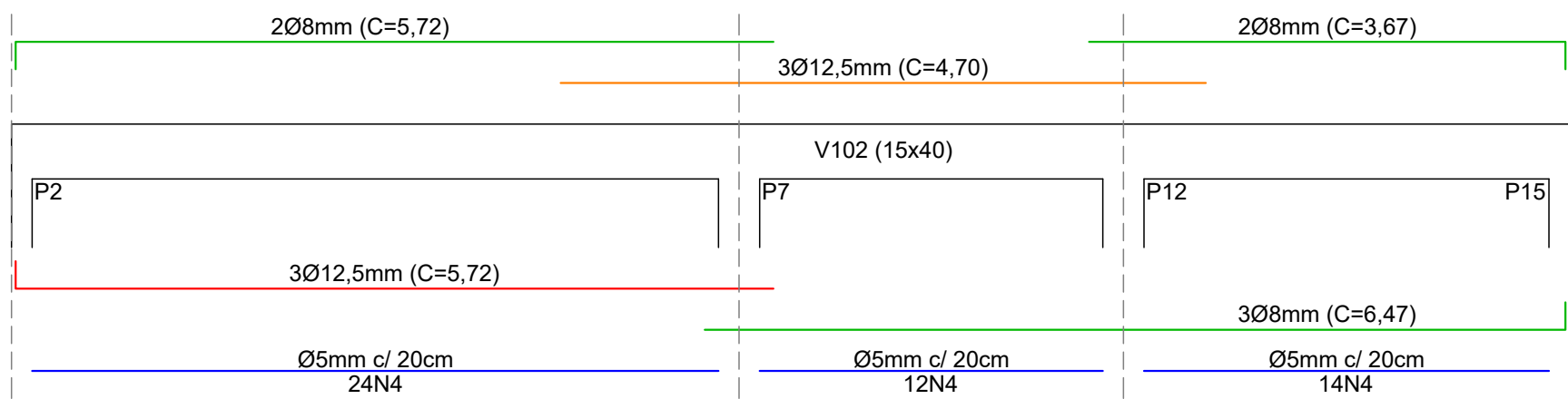
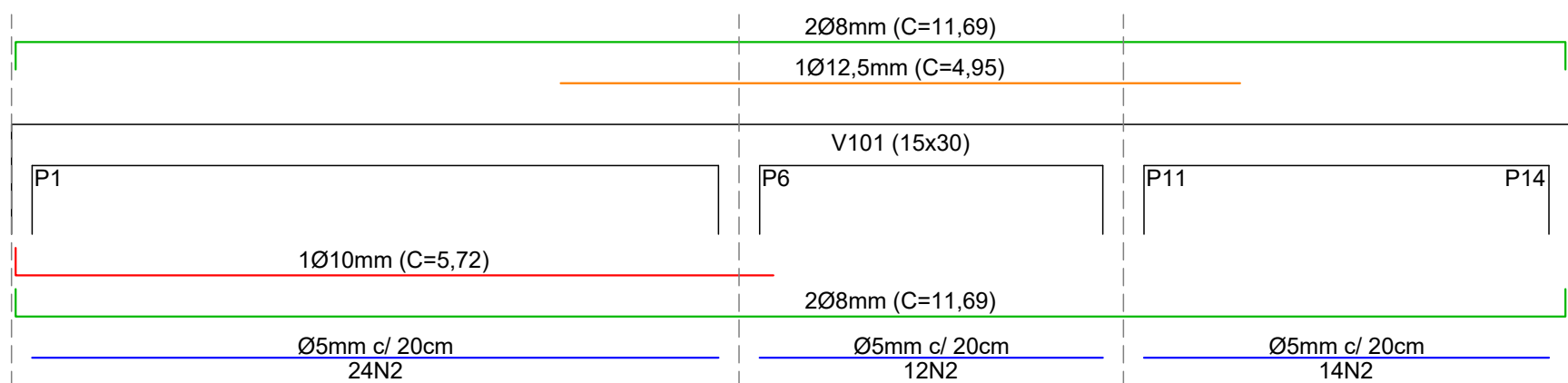
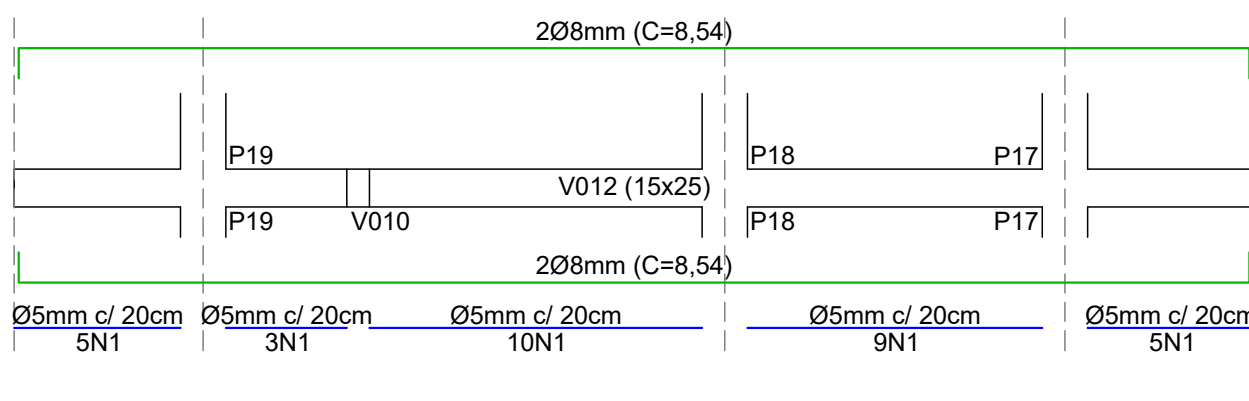
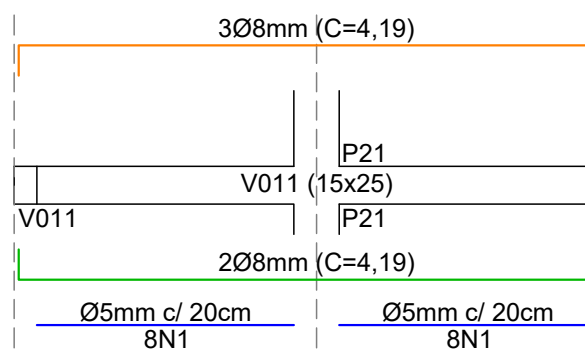
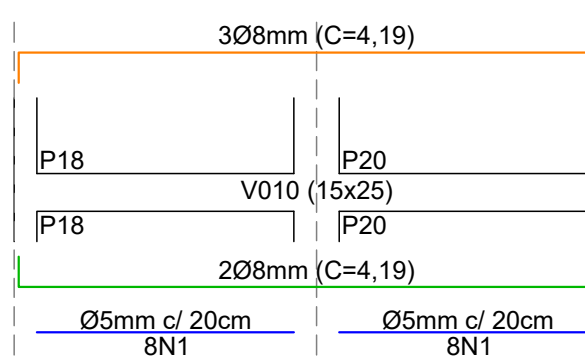
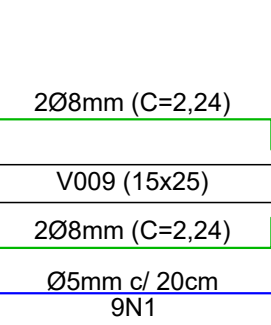
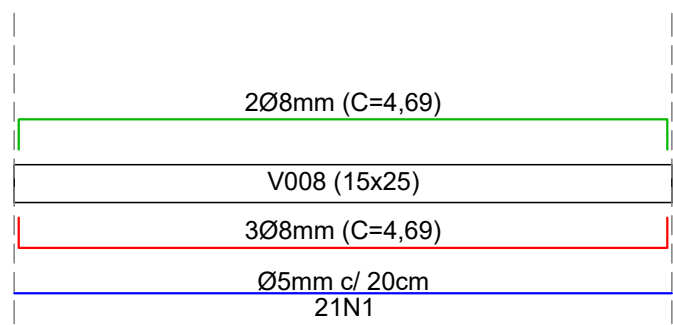
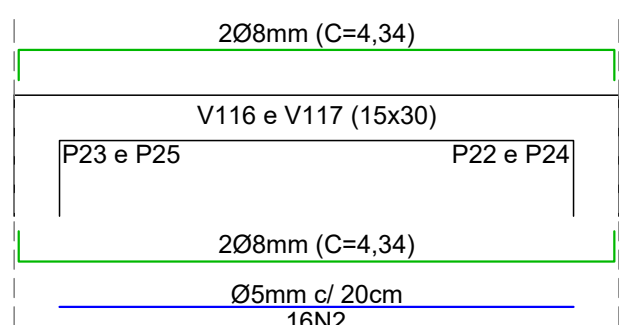
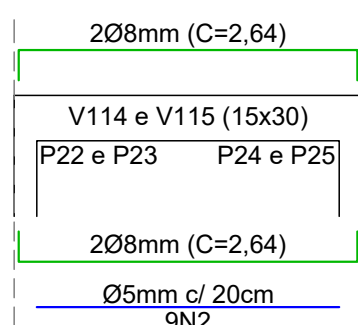
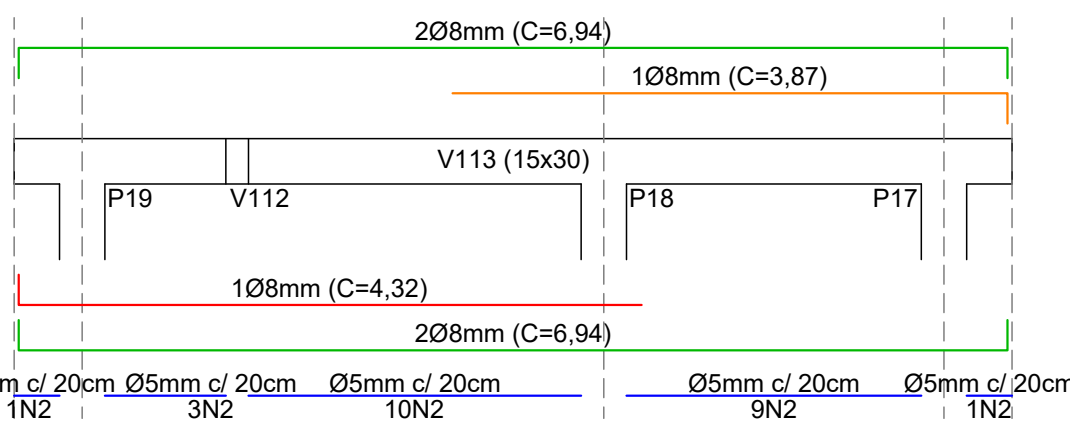
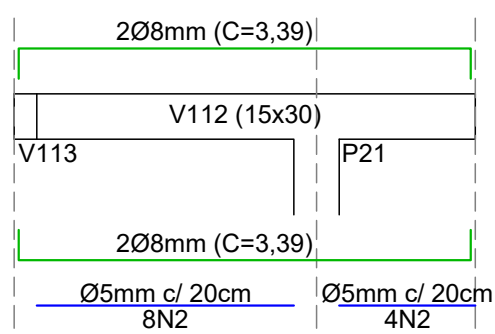
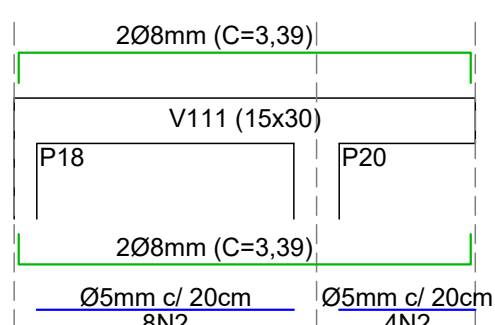
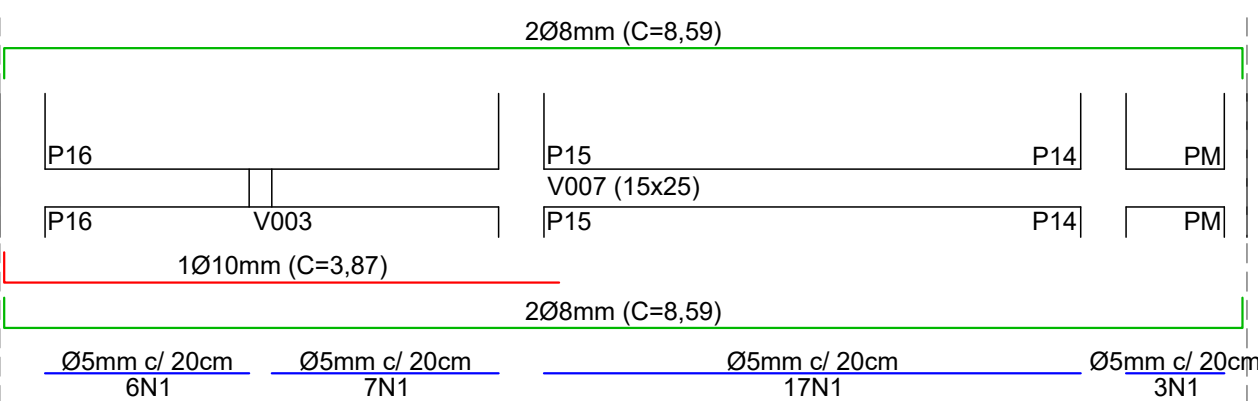
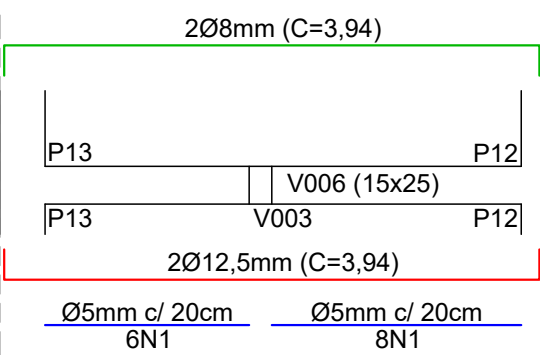
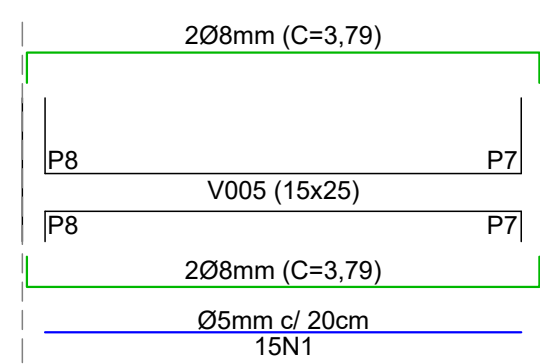
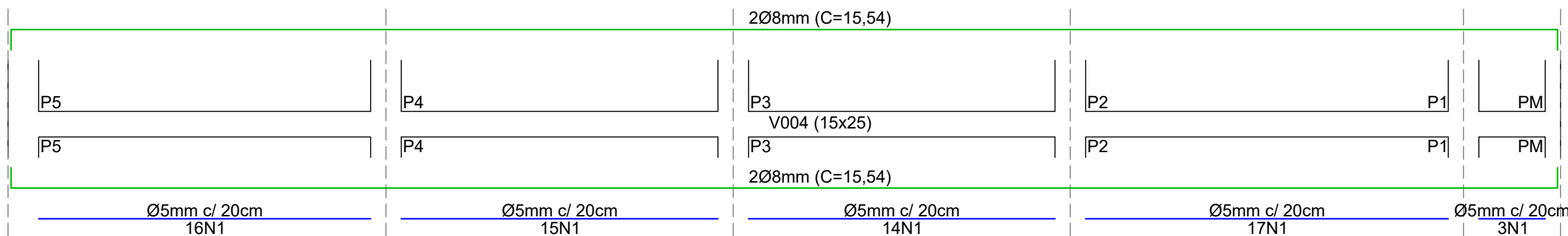
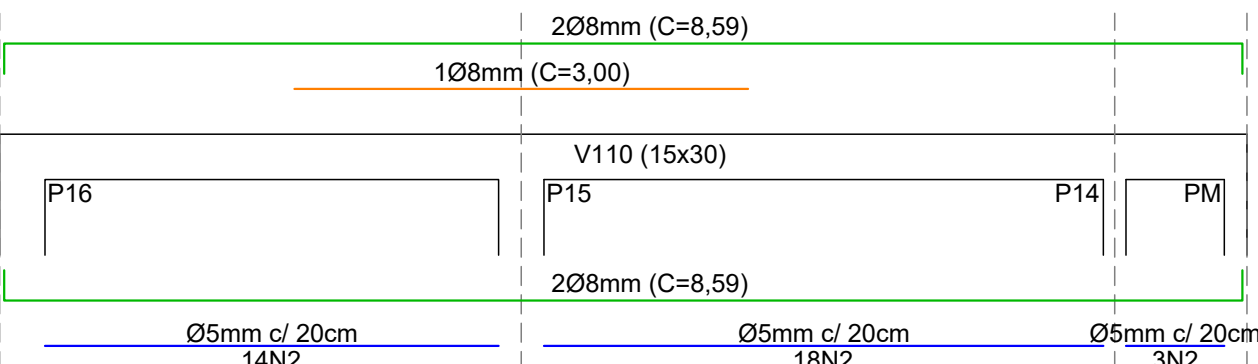
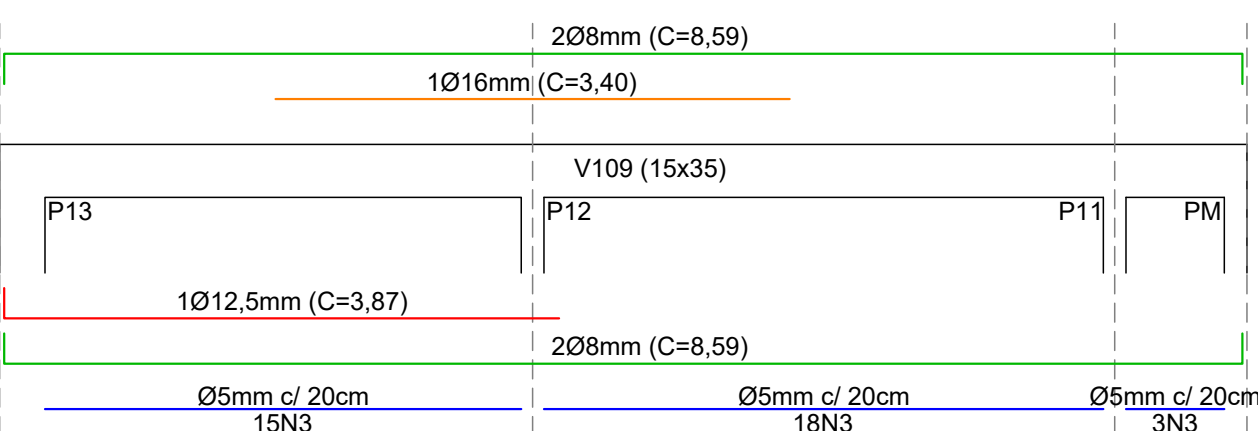
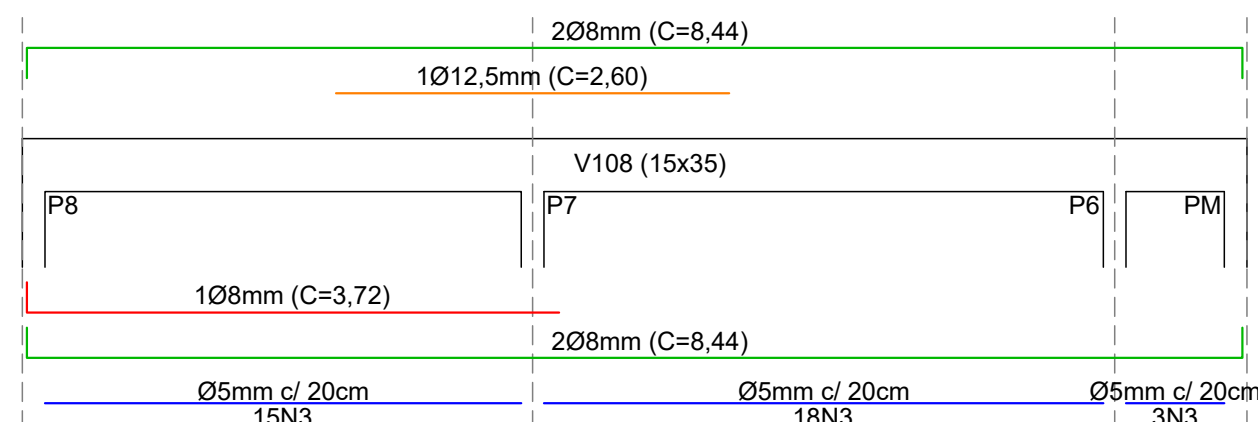
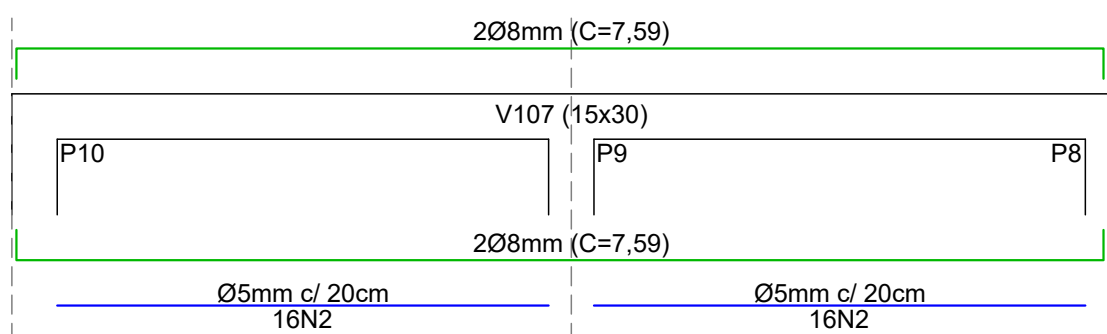
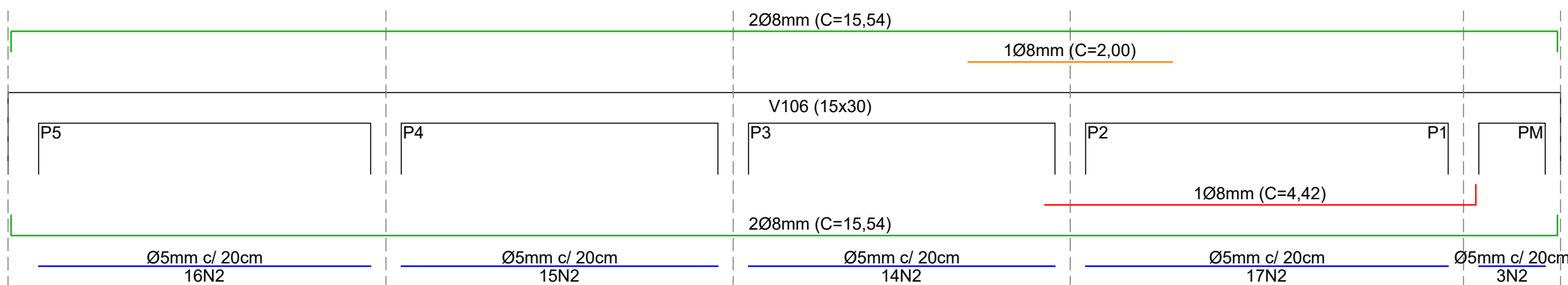
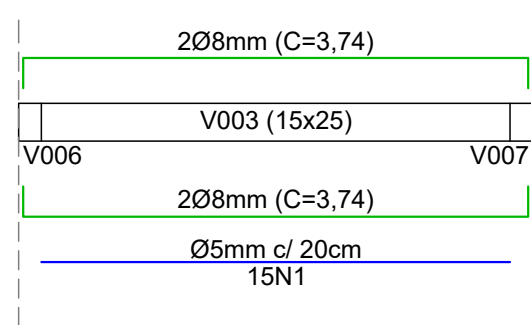
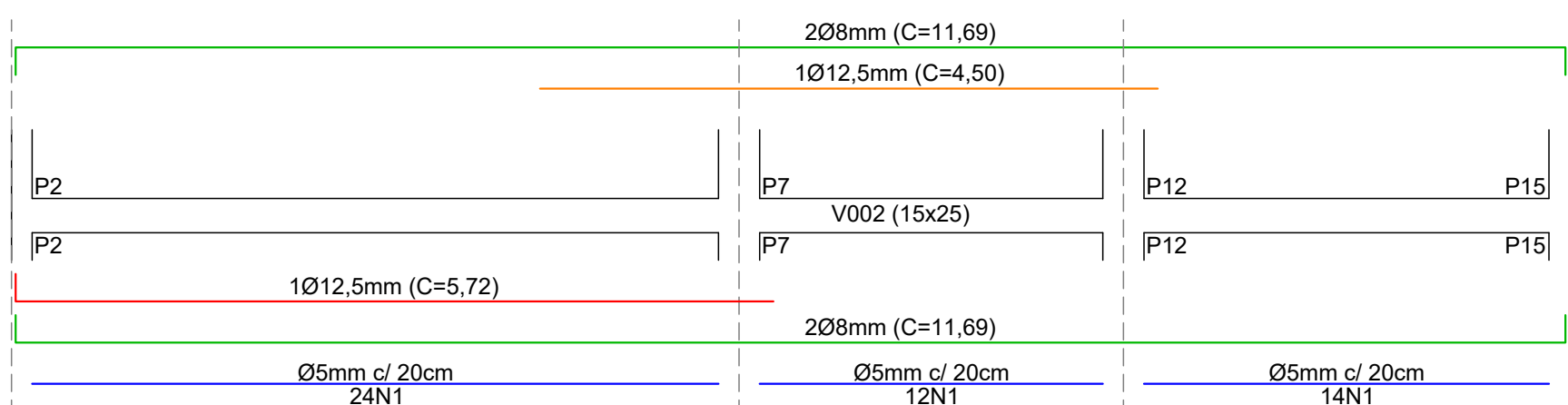
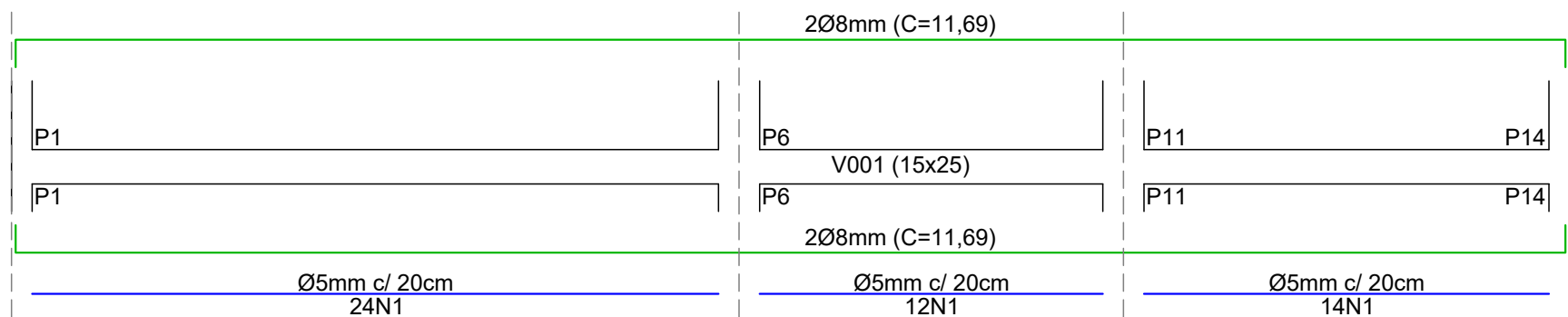




8) DETALHES - VIGAS - COBERTURA
ESCALA: 1/50



Quantitativo de aço - Vigas do térreo						
Aço	Bitola [mm]	Quant. [m]	Quant. + 10% [m]	Nº barras de 6m [Un.]	Peso [kg/m]	Peso total [kg]
CA-60	5	274,03	301,43	51	0,154	47,12
	8	399,66	439,63	74	0,395	175,38
CA-50	10	3,87	4,26	1	0,617	3,70
	12,5	18,10	19,91	4	0,963	23,11

Quantitativo de aço - Pilares						
Aço	Bitola [mm]	Quant. [m]	Quant. + 10% [m]	Nº barras de 6m [Un.]	Peso [kg/m]	Peso total [kg]
CA-60	5	418,88	460,77	77	0,154	71,15
CA-50	10	417,52	459,27	77	0,617	285,05

Quantitativo de aço - Vigas da cobertura						
Aço	Bitola [mm]	Quant. [m]	Quant. + 10% [m]	Nº barras de 6m [Un.]	Peso [kg/m]	Peso total [kg]
CA-60	5	491,73	540,90	90	0,154	83,16
	6,3	4,85	5,34	1	0,245	1,47
	8	549,01	603,91	101	0,395	239,37
CA-50	10	5,72	6,29	1	0,617	3,70
	12,5	79,44	87,38	15	0,963	86,67
	16	13,32	14,65	3	1,578	28,40
	20	11,28	12,41	2	2,466	29,59

OBSERVAÇÕES

- CONCRETO C25 COM BRITA 01
- PARA AS FUNDAÇÕES, VIGAS E LAJES DO TÉRREO, EMPREGAR CONCRETO C30 E/OU ADITIVO IMPERMEABILIZANTE
- COBRIMENTO:
 - PARA AS SAPATAS SERÁ DE 5 CM
 - PARA AS DEMAIS PEÇAS SERÁ DE 3 CM
- GANCHOS:
 - NAS SAPATAS TERÃO 30 CM
 - NAS DEMAIS PEÇAS TERÃO 20 CM
- OS ESTRIBOS NÃO DEVEM SER COLOCADOS NOS ENCONTROS ENTRE PILARES E VIGAS E ENTRE DIFERENTES VIGAS
- OS TRANSPOSES DE BARRAS LONGITUDINAIS DEVERÃO TER PELO MENOS 30 CM

INDICAÇÕES - VIGAS

ARMADURA NEGATIVA

ARMADURA POSITIVA

PORTA ESTRIBOS

ESTRIBOS

NÚMERO DE BARRAS POR CAMADA

BITOLA DA BARRA

COMPRIMENTO TOTAL DA BARRA INCLUINDO O GANCHO DE 20CM

108mm (C=1,10)

0,20

0,90

BITOLA DO ESTRIBO

ESPAÇAMENTO PARA O TRECHO

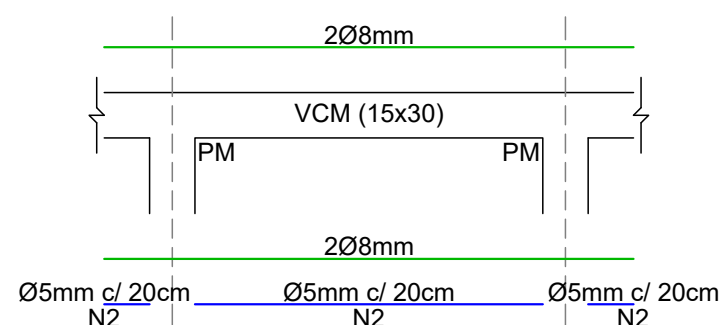
05mm c/ 15cm

L=1,05 - 7N2

TIPO DE ESTRIBO

NÚMERO TOTAL DE ESTRIBOS PARA O TRECHO

COMPRIMENTO DO TRECHO, CASO HAJA DIFERENTES ESPAÇAMENTOS NA MESMA VIGA



INDICAÇÕES - ESTRIBOS

N1 - 05mm (C=67cm)

N2 - 05mm (C=77cm)

N3 - 05mm (C=87cm)

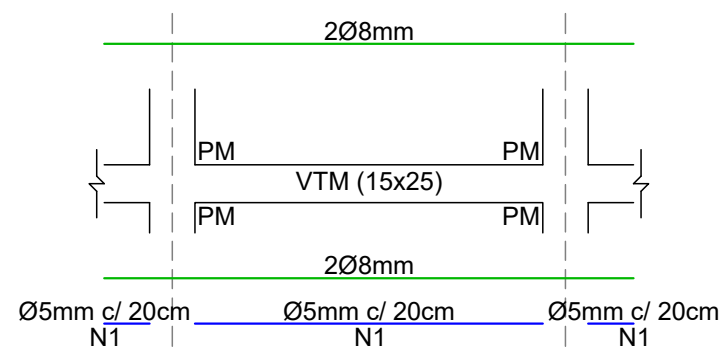
N4 - 05mm (C=97cm)

N5 - 06,3mm (C=97cm)

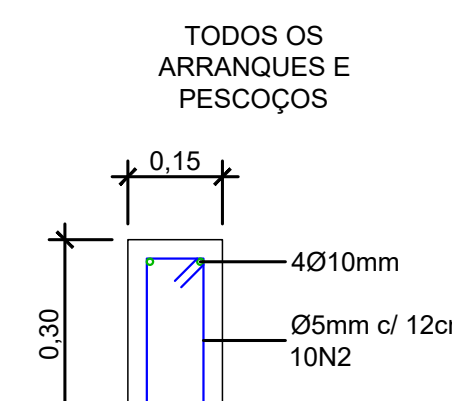
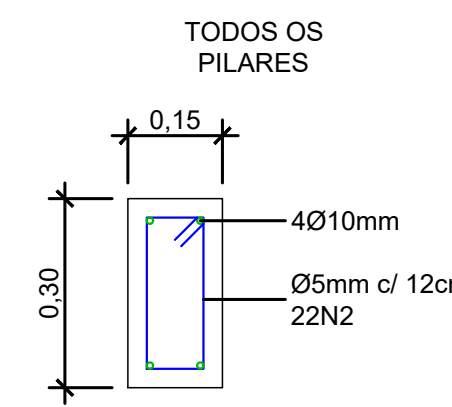
N6 - 05mm (C=107cm)

N7 - 05mm (C=67cm)

N8 - 05mm (C=51cm)



9) DETALHES - VIGAS - MURO DOS FUNDOS
ESCALA: 1/50



10) DETALHES - PILARES
SEM ESCALA

7) DETALHES - VIGAS - TÉRREO
ESCALA: 1/50

Responsável Técnico:

PREFEITURA MUNICIPAL DE POMERODE
SECRETARIA DE EDUCAÇÃO E FORMAÇÃO EMPREENDEDORA

AMPLIAÇÃO - CEIM ROSA BORCK
Rua Gustavo Zastrow, 69 - Testa Rega

Referência

PLANTA DO TÉRREO, PLANTA DA COBERTURA E DETALHES [R5]

ESCALA

INDICADA

DATA

05/2026

ÁREA TOTAL

296,81 m²



EST

03/03